

INTERAGENCY PERCHLORATE STEERING COMMITTEE

SFUND RECORDS CTR
46921

Dear Stakeholder:

Thank you for registering to attend the Perchlorate Stakeholders Forum in Henderson, Nevada on May 19-21, 1998. All sessions of the stakeholder forum will be held at the Henderson Convention Center, which is located at 200 Water Street on the corner of Water and Atlantic Streets. Enclosed is a draft agenda, logistics information, and discussion papers on topics which will be covered in forum sessions. If you know of local stakeholders in the Henderson/Las Vegas area who will not be able to attend the day sessions of the forum, please encourage them to attend the evening overview session on Wednesday, May 20, 1998 from 7:00 p.m. to 9:00 p.m.

The purpose of the perchlorate stakeholders forum is to disseminate information on the key scientific issues, to identify additional issues, and to hear stakeholder questions and concerns. As of May 8, 1998, approximately 160 people have registered to participate in the forum, and some participants will be participating via conference call. At the start of the meeting, we will propose a set of ground rules to ensure that all participants can express questions and concerns during the course of the forum.

On the first day you attend the forum, please make sure to stop at a registration table to pick up your nametag and packet of materials. Registration tables will open at 7:30 a.m. each day. We have arranged for a local restaurant to provide coffee, juice, and pastries each morning on a cash basis. The same restaurant will also offer a variety of lunch items. If possible, please bring a travel mug with you for beverages so that we can reduce the amount of solid waste produced at the forum.

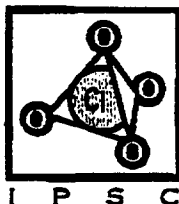
If you have additional logistical questions about the perchlorate stakeholders forum, please contact the EPA Safe Drinking Water Hotline at 1-800-426-4791. Thank you for your interest and we look forward to your participation in the perchlorate stakeholders forum.

Sincerely,

The Interagency Perchlorate Steering Committee

Enclosures

ENVIRONMENTAL PROTECTION AGENCY • DEPARTMENT OF DEFENSE • AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY
NATIONAL INSTITUTE FOR ENVIRONMENTAL HEALTH SCIENCES • CALIFORNIA DEPARTMENT OF HEALTH SERVICES
NEVADA DIVISION OF ENVIRONMENTAL PROTECTION • UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY
COCOPIAH INDIAN TRIBE • COLORADO RIVER INDIAN TRIBES (CRIT) • FT. MOJAVE INDIAN TRIBE
CHEMEHUEVI INDIAN TRIBE • QUECHAN INDIAN TRIBE



INTERAGENCY PERCHLORATE STEERING COMMITTEE

Perchlorate Stakeholders Forum LOGISTICAL INFORMATION

The Interagency Perchlorate Steering Committee (IPSC) will be holding a two and a half day stakeholder forum on May 19-21, 1998 in Henderson, Nevada. The IPSC is a working partnership of governmental agencies chartered to facilitate and coordinate issues related to potential perchlorate contamination in the environment.

PURPOSE: The purpose of this stakeholder forum is to disseminate information on the key scientific issues, to identify additional issues, and to hear stakeholder concerns. The forum will cover a broad range of topics including:

- background and occurrence,
- health effects, toxicology studies, and the assessment and peer review process,
- analytical techniques,
- ecological impacts,
- treatment technologies,
- regulatory and policy issues, and
- future stakeholder involvement.

Background materials on perchlorate issues will be sent in advance of the forum to those who register with the EPA Safe Drinking Water Hotline by May 13, 1998. The IPSC is seeking input from State and Tribal drinking water programs, the regulated community (public water systems), public health organizations, academia, environmental and public interest groups, engineering firms, and the public on a number of issues related to perchlorate contamination in the environment.

The IPSC encourages the full participation of stakeholders at the forum.

DATES: The stakeholder forum on perchlorate issues will be held on Tuesday, May 19, 1998 from 8:30 a.m. to 5:30 p.m. PDT, Wednesday, May 20, 1998 from 8:30 a.m. to 5:00 p.m. PDT, with an additional public outreach evening session from 7:00 p.m. to 9:00 p.m. PDT, and Thursday, May 21, 1998 from 8:30 a.m. to 12:00 p.m. PDT.

LOCATION: The stakeholder forum will be held at the Henderson Convention Center (200 Water Street) in Henderson, Nevada.

Directions to the Henderson Convention Center from McCarran Airport:

Exit the Airport north, towards Tropicana Avenue. Go East on Tropicana until you reach the intersection of Tropicana and I-93/95. Go South on I-93/95 until the Lake Mead Drive exit. Exit onto Lake Mead Drive and go East (L) for 4 lights to Water Street. Turn Right on Water Street and the Henderson Convention Center will be on your right at 200 Water Street.

Messages/fax during forum:

Telephone messages can be left for forum participants at 702-566-5605 between 8:00 a.m. and 5:00 p.m. PDT on Tuesday, May 19 and Wednesday May 20, and between 8:00 a.m. and 12:00 p.m. PDT Thursday, May 21 for pick-up at the message board.

Faxes for forum participants can be sent to 702-565-2177 for pick-up at the message board.

FOR FURTHER INFORMATION CONTACT:

For additional information on forum logistics, please contact the EPA Safe Drinking Water Hotline at 1-800-426-4791.

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Perchlorate Stakeholders Forum
Sponsored by the Interagency Perchlorate Steering Committee
May 19-21, 1998
Henderson Convention Center
200 Water Street, Henderson, Nevada
DRAFT Agenda

Day 1: May 19, 1998

7:30 - 8:30 A.M. Registration

8:15 - 8:30 A.M. Welcome

- Catherine McCracken, Region 9, U.S. EPA

8:30 - 9:30 A.M. Keynote Presentations

- William Farland, Director, National Center for Environmental Assessment (NCEA), U.S. EPA
- Thomas W. L. McCall, Jr. Deputy Assistant Secretary, U.S. Air Force (Environment, Safety and Occupational Health)
- Allen Biaggi, Deputy Administrator, Nevada Division of Environmental Protection

9:30 - 12:00 P.M. Session 1 - Background

**9:30 - 10:15 A.M. Overview and History of the Perchlorate Problem,
Time-line for Ongoing Activities on Perchlorate**

- Lt. Col. Dan Rogers, U.S. Air Force, Wright Patterson Air Force Base, Ohio

10:15 - 10:30 A.M. Break

10:30 - 11:00 A.M. Perchlorate Occurrence

- Kevin Mayer, Region 9, U.S. EPA, San Francisco, California
- Brenda Pohlmann, Nevada Department of Environmental Protection, Las Vegas, Nevada

11:00 - 11:30 A.M. Tribal Concerns Regarding Perchlorate

11:30 - 12:00 P.M. Facilitated Audience Discussion

- Facilitation Team

12:00 - 1:15 P.M. Lunch

1:15 - 5:30 P.M. Session 2 - Perchlorate Health Effects/Toxicity

- 1:15 - 2:15 P.M. Background and Objective of Ongoing Studies
- Annie Jarabek, National Center for Environmental Assessment (NCEA), U.S. EPA, Research Triangle Park, North Carolina
- 2:15 - 2:45 P.M. Mechanisms of Thyroid Toxicity
- Kevin Crofton, National Health and Environmental Effects Lab (NHEERL), U.S. EPA. Research Triangle Park, North Carolina
- 2:45 - 3:30 P.M. Development of Study Protocols, Status of Studies, QA/QC Procedures
- Dave Mattie, Air Force Research Lab, Wright Patterson AFB, Ohio
- 3:30 - 3:45 P.M. Break
- 3:45 - 3:55 P.M. Development of Revised Reference Dose/Risk Assessment
- Annie Jarabek, NCEA, U.S. EPA
- 3:55 - 4:15 P.M. External Peer Review of Risk Assessment
- Peter Grevatt, Office of Solid Waste and Emergency Response (OSWER), U.S. EPA, Washington, D.C.
- 4:15 - 4:30 P.M. Update – Office of Water Regulatory and Policy Activities
- Mike Osinski, Office of Water (OW). U.S. EPA, Washington, D.C.
- 4:30-5:30 P.M. Facilitated Discussion
- Facilitation Team

Day 2: May 20, 1998

8:15 - 8:30 A.M. Summary of Previous Day

8:30 - 10:15 A.M. Session 3 - Ecological Impacts/Transport and Transformation

- 8:30 - 8:55 A.M. Introduction/Background/Transport and Transformation
- Cornell Long, Human Systems Center, Brooks AFB, Texas
- 8:55 - 9:20 A.M. Historical Studies/Applicability
- Ron Porter, Human Systems Center, Brooks AFB, Texas

9:20 - 9:45 A.M. Proposed Activities - Data Gaps/Future Direction
 - Mark Sprenger, Environmental Response Team Center, U.S. EPA,
 Edison, New Jersey

9:45-10:15 A.M. Facilitated Discussion
 - Facilitation Team

10:15 - 10:30 A.M. Break

10:30 - 2:15 P.M. Session 4 -Analytical Methods

10:30 -10:45 A.M. Background on Analytical Techniques and Pending Interlab Study
 - Stephen Pia, National Environmental Research Lab (NERL), Las
 Vegas, Nevada

10:45 -11:30 A.M. Analysis of Perchlorate by Ion Chromatography (IC)
 - Howard Okamoto, California Department of Health Services
 (DHS), Berkeley, California

11:30 -12:15 P.M. Improved IC Method for Low Level Perchlorate Analysis
 - Peter Jackson, Dionex Corporation,

12:15 -1:30 P.M. Lunch

1:30 -2:15 P.M. Facilitated Discussion
 - Facilitation Team

2:15 - 5:00 P.M. Session 5 - Treatment Technology

2:15 - 2:30 P.M. Background
 - Ed Urbansky, National Risk Management Research Lab
 (NRMRL), U.S. EPA

2:30 - 2:45 P.M. Introduction to Past and Current Treatment Studies
 - Wayne Praskins, U.S. EPA Region 9

2:45 - 3:00 P.M. Biological Treatment of Wastewater
 - Jim Hurley, Air Force Research Lab, Tyndall AFB, Florida

3:00 - 3:15 P.M. Biological Treatment of Low Level Perchlorate Contamination
 - Mike Girard, Aerojet, Sacramento, California

- 3:15 - 3:30 P.M. Break
- 3:30 - 3:45 P.M. Perchlorate Treatment by Ion Exchange
 - Rick Sase, Main San Gabriel Basin Watermaster
- 3:45- 4:00 P.M. Perchlorate Treatment by Enhanced Coagulation and Advanced Oxidation
 Membranes
 - Jeanne Marie Bruno, Metropolitan Water District of Southern
 California
- 4:00 - 4:15 P.M. Future Treatment Studies
 - Frank Blaha, American Water Works Association Research
 Foundation
- 4:15 - 5:00 P.M. Facilitated Discussion
 - Facilitation Team
- 7:00 - 9:00 P.M. Public Availability Session**

Day 3: May 21, 1998

- 8:30 - 12:00 P.M. Session 6 - Summary, Next Steps**
- 8:30 - 9:30 A.M. Summary of Discussions from Days 1 & 2
- 9:30 - 11:30 A.M. Facilitated Panel/Audience Discussion
 - IPSC Steering Committee
 - Facilitation Team
- 11:30 - 12:00 P.M. Wrap-up, Next Steps, Time-Line
- 1:30 - 3:30 P.M. Inter-Agency Perchlorate Steering Committee Meeting